FORM PTO-1390 (Modified)
U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE
(REV 12-2004)

TRANSMITTAL LETTER TO THE UNITED STATES DESIGNATED/ELECTED OFFICE (DO/EO/US) CONCERNING A FILING UNDER 35 U.S.C. 371	ATTORNEY'S DOCKET NUMBER
	062800-0122
	U.S. APPLICATION NO. (If known—see 37 C.F.R. 1.5) 10/594006

INTERNATIONAL APPLICATION NO. PCT/JP2005/005407	INTERNATIONAL FILING DATE 03/24/2005	PRIORITY DATE CLAIMED 03/30/2004

TITLE OF INVENTION
HEATER COIL FOR GAS SENSOR, DETECTION ELEMENT FOR GAS SENSOR, CONTACT COMBUSTION TYPE GAS SENSOR, AND METHOD FOR MANUFACTURING CONTACT COMBUSTION TYPE GAS SENSOR

APPLICANT(S) FOR DO/EO/US
Ikuo TAKAHASHI, Junji SATOH and Yoshirou HIRAI

Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:

1. ☒ This is a **FIRST** submission of items concerning a filing under 35 U.S.C. 371.

2. ☐ This is a **SECOND** or **SUBSEQUENT** submission of items concerning a filing under 35 U.S.C. 371.

3. ☒ This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (21) indicated below.

4. ☐ The US has been elected (Article 31).

5. ☒ A copy of the International Application as filed (35 U.S.C. 371(c)(2))

    ☒ is attached hereto (required only if not communicated by the International Bureau).

    ☐ has been communicated by the International Bureau.

    ☐ is not required, as the application was filed in the United States Receiving Office (RO/US)

6. ☒ An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).
    ☒ is attached hereto.
    ☐ has been previously submitted under 35 U.S.C. 154(d)(4).

7. ☒ Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371(c)(3))
    ☐ are attached hereto (required only if not transmitted by the International Bureau).
    ☐ have been communicated by the International Bureau.
    ☐ have not been made; however, the time limit for making such amendments has NOT expired.
    ☒ have not been made and will not be made.

8. ☐ An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).

9. ☒ An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)).

10. ☐ An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371(c)(5)).

Items 11 to 20 below concern other document(s) or information included:

11. ☒ An Information Disclosure Statement under 37 CFR 1.97 and 1.98.

12. ☒ An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.

13. ☒ A preliminary amendment.

14. ☒ An Application Data Sheet under 37 CFR 1.76.

15. ☐ A substitute specification.

16. ☐ A power of attorney and/or change of address letter.

17. ☐ A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 – 1.825

18. ☐ A second copy of the published international application under 35 U.S.C. 154(d)(4).

19. ☐ A second copy of the English language translation of the international application under 35 U.S.C. 154(d)(4).

20. ☐ Other items or information:

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U.S. APPLICATION NO. (If known, see 37 CFR. 1.5)	INTERNATIONAL APPLICATION NO.	ATTORNEY'S DOCKET NUMBER
Unassigned 10/594006	PCT/JP2005/005407	062800-0122

The following fees have been submitted:

21. ☒	Basic national fee		$300	$ 300.00	
22. ☒	Examination fee				
If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4)			$100	$ 200.00	
All other situations			$200		
23. ☒	Search fee				
Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority			$100		
International Search Report prepared and provided to the Office			$400		
All other situations			$500	$ 400.00	
TOTAL OF ABOVE 21, 22 and 23 =				$ 900.00	

☐ Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is $ for each additional 50 sheets of paper or fraction thereof.			

Total Sheets	Extra sheets	Number of each additional 50 or fraction thereof (round up to a whole number)	RATE	
96 - 100 =	0	/50 = 0	x $250.00	$ 0.00

Surcharge of $130.00 for furnishing the oath or declaration later than 30 months from the earliest claimed priority date (37 CFR 1.492(e))	$ 0.00

CLAIMS	NUMBER FILED	NUMBER EXTRA	RATE	$	
Total Claims	45 - 20 =	25	x $ 50.00	$ 1250.00	
Independent Claims	9 - 3 =	6	x $ 200.00	$ 1200.00	
MULTIPLE DEPENDENT CLAIM(S) (if applicable)			+ $ 360.00	$	
TOTAL OF ABOVE CALCULATIONS =				$ 3350.00	

☐ Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½. +	$ 0.00
SUBTOTAL =	$ 3350.00
Processing fee of 130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)).	$
TOTAL NATIONAL FEE =	$ 3350.00
Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). 40.00 per property	$ 40.00
TOTAL FEES ENCLOSED =	$ 3390.00

	Amount to be refunded:
	charged:

a. ☐ A check in the amount of _____ to cover the above fees is enclosed.

b. ☐ Please charge my Deposit Account No. 19-0741 in the amount of _____ to cover the above fees. A duplicate copy of this sheet is enclosed.

c. ☒ The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 19-0741. A duplicate copy of this sheet is enclosed.

d. ☒ Fees are to be charge to a credit card. **WARNING:** Information on this form may become public. **Credit card information should not be included on this form.** Provide credit card information and authorization on PTO-2038.

NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.

SEND ALL CORRESPONDENCE TO:

Foley & Lardner LLP
Customer Number: 22428

_____
SIGNATURE

Glenn Law
NAME

34,371
REGISTRATION NUMBER